

Product datasheet for RC226299

IPO11 (NM_001134779) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IPO11 (NM_001134779) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IPO11
Synonyms:	RanBP11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226299 representing NM_001134779 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTACAGCCTATTATACACTGGGCTATGTGGTATATAGCTTATTGTATCTAGGCTATAAGCCTGTAC
AGCATGTTACTGCACTGAATACTGTAAGCAGTTGTCACAAAATGGTTTCCATGGATCTCAATAGTGCCAG
CACTGTTGTTCTTCAGGTGTTAACACAGGCCACCAGTCAGGATACTGCTGTGTTAAAACCACTGAGGAG
CAGTTGAAGCAGTGGGAGACACAGCCAGGTTTCTATTCAGTGTTGCTGAATATTTTCACCAACCACACTT
TGGATATAAATGTAAGGTGGCTTGTCTACTGTATTTTAAACATGGAATTGATCGCTACTGGAGACGTGT
AGCACCTCATGCTCTCTCAGAGGAGGAGAAAACACTCTGCGTGCAGGGCTCATCACCAACTTCAATGAA
CCAATAAACAGATTGCAACTCAGATTGCAGTGCTCATTGCAAAAAGTTGCTAGATTGGATTGTCACAGAG
AGTGGCCTGAACATAATCCCACTCTTATAGAGTCTGTTAAAGTCCAGGATGATCTTCGACAGCACAGAGC
ATTACTTACCTTCTATCATGTTACCAAGACACTGGCATCTAAACGACTTGTCTGTATAGAAAATATTT
TATGATTTAGCTTCTGGAATTTATAATTTTGCCTGCTCTGTGGAATCACCACACAGACACATTCCTGC
AAGAAGTTTCTTCTGGCAATGAAGCTGCAATTTTGAGTTCACAGAACGAACTGCTATCATTGAAAGT
GCTGCGTAAGTTAACTGTTAATGGATTTGTGGAACCTCATAAGAATATGGAGGTGATGGTTTTTTACAT
GGAATATTTGAACGTCTAAAACAGTTTCTGGAATGCAGTAGAAGTATAGGTACAGATAATGTGTGTAGAG
ATAGACTGGAAAAGACCATTCTTTTTACTAAAGTGTCTTTGGACTTCTTGGATCAGCATCCTTTTTTC
ATTTACTCCTCTAATTCAGAGATCACTGGAATTTCTGTAAAGCTATGTTTTACAGAAGTTGGTGAAGGC
GTTACATTTGAACGATTCATTGTCCAATGTATGAATCTTATTAAGATGATTGTCAAAAATATGCTTATA
AGCCATCCAAAATTTTGAAGTAGCAGCCCTGAAACTCTGAAGCCATAAGATTAAGATGGCATTCTT
CACATATCCTACTTTGACAGAGATATGTAGAAGATTAGTCTCTCATTATTTCTATTAACGAAGAAGAA
CTGACAATGTGGGAAGAAGACCCAGAAGCCTTTACAGTGAAGAACAAGGAGGAGATTCTTGAAATATA
GTTTGAGGCCATGCACTGAAGTATTATTTATAGATATATTCATGAATATAATCAGACTTCTACTCCTGT
ACTTCTAGAAATGATGCAAACTTCAAGGACCCACAAATGTGGAAGATATGAATGCACTGTTAATCAAA
GATGCTGTGATAATGCTGTTGGATTAGCTGCTTATGAGCTCTTTGACAGTGTGATTTTGTATCAGTGGT



[View online >](#)

TTAAAAACCAGCTTCTTCCAGAATTACAAGTCATTCACAATAGGTATAAGCCATTGCGACGCAGGGTGAT
 TTGGCTCATCGGTCAGTGGATTTCTGTGAAATTCAGTCTGACTTAAGACCCATGCTTTATGAAGCAATC
 TGTAACCTTGCTTCAAGATCAAGATTTAGTGGTCCGATTGAAACAGCTACAACCTTGAAGTTAAGTGTG
 ATGATTTTGAATTTAGAACAGATCAGTTTCTACCGTATTTGAAACCATGTTTCACTACTTTTTTCAGTT
 ACTGCAGCAAGTTACAGAATGTGACACAAAAGATGCATGTTTTGCATGTCCTTTCTGTGTGATCGAAAGA
 GTCAACATGCAGATACGACCATATGTGGGATGTTTGGTACAATATTTGCCCTCCTTTGGAAGCAGAGTG
 AAGAACAATATGTTGAGATGTGCTATTTTGACAACACTTATTCATCTTGTTCAGGGATTAGGAGCAGA
 CAGCAAGAACCTGTACCCTTTCCCTGCTCCAGTTATTCAACTGAGTACAGATGTTTCACAGCTCCACAT
 GTTTATCTTCTGGAAGATGGTTTAGAATTATGGTTAGTAACTTTGAAAAACAGTCCATGTATTACACCAG
 AGTTGCTTCGTATATTTTCCAGAATATGTCACCACCTCTTGAACCTAAGTTTACAGAAAATCTTAGAACTTGCTT
 TAAGATCATCAATGGTTATATCTTTTTATCATCAACAGAATTTTTACAGACATACGCAGTAGGTCTATGC
 CAGTCTTTTTGTGAACCTTTAAAGGAAATTAACAGAAAGGTCAAGTTTCAAGTGTCAAGGTTGTGGAAA
 ATGCCCTTAAAGTGAACCAATACTAGGTCCACAATGTTTCAACCGATTTTACCCTATGTTTTCAAGGG
 TATTATAGAAGGGGAGAGGTATCCTGTAGTGATGTCCACGTATCTTGGAGTTATGGGTCGAGTTCTACTA
 CAAAACACTAGTTTTTTTTCTTCACTACTTAATGAGATGGCCATAAATTTAATCAGGAGATGGACCAGC
 TTTTGGGAAATATGATTGAAATGTGGGTTGATCGAATGGACAACATTACCAGCCTGAAAGAAGAAAAC
 TTCAGCTTTGGCTTTGCTCTCTCTCTGCCATCTGATAATAGTGTATCCAAGATAAATCTGTGGGATT
 ATAAACATTTTCAAGTAGAAGGCTGCATGATGTCATGACGGAAGATCCTGAAACAGGAACTTATAAAGACT
 GTATGTTGATGTCTCATCTTGGGAACCAAAAGTAACAGAAGTGAAGAACCACCCACAGAACAAGATAA
 GAGGAAAAGATGCTGGCCCTGAAGGACCTGTTTACATACAGTGTCACTGCAGCAGTTTCACTACGAGAAG
 CTCAAGGCACAGCAGGAGATGCTAGGAGAACAAGGTTCCAGTCCCTCATGGAACAGTGGATACGGAGA
 TTGTCACCCAGCTACAGGAGTTTTTGAAGGATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>RC226299 representing NM_001134779
 Red=Cloning site Green=Tags(s)

MVQPIIHLGYVVYSLLYLGYKPVQHVLTALNTVSSCHKMVSMDLNSASTVVLQVLQATSQDQAVLKPAAE
 QLKQWETQPGFYSVLLNIFTNHTLDINVRWLAVLYFKHGIDRYWRRVAPHALSEEEKTTLRAGLITNFNE
 PINQIATQIAVLIKVARLDCPRQWPELIPTLIESVKVQDDLQHRALLTFYHVTKTLASKRLAADRKL
 YDLASGIYNFACSLWNHHTDFTLQEVSSGNEAAILSSLERTLLSLKVLRLKLVNGFVEPHKNMEVMGFLH
 GIFERLQFLECSRSIGTDNVCRRDRLEKTIILFTKVLDFLDQHPFSFTPLIQRSLFVSYSVVFTEVGEG
 VTFERFIVQCMNLKMIKVNAYKPSKNFEDSSPETLEAHKIKMAFFTYPTLTEICRRLVSHYFLLTEEE
 LTMWEEDPEGFTVEETGGDSWKYSLRPCTEVLFDIDIFHEYNTLTPVLLMMQTLQGPNTVEDMNLLIK
 DAVYNAVGLAAYELFDSVDFDQWFKNQLPELQVIHNRYPKPLRRRVIWLIQWISVKFKSDLRPMLYEA
 CNLLQDQDLVRIETATTLKLTVDDEFRTDQFLPYLETMFTLLFQLLQQVTECDTKMHVHLVLSVIER
 VNMQIRPYVYVGLVQYLPPLWKQSEHNMLRCAILTTLIHLVQGLGADSKNLYPFLLPVIQLSTDVSQPPH
 VYLLEDGLELWLVLENSPCITPELLRIFQNMSPLELSENLRCTCFKIINGYIFLSSTEFLQTYAVGLC
 QSFCELLKEITTEGQVQVLKVVENALKVNPILGPQMFQPIILPYVFKGIEGERYPVVMSTYLGVMGVRL
 QNTSFFSLLNEMAHKFNQEMDQLLGNMIEMWVDRMDNITQPERRKLSALALLSLLPSDNSVIQDKFCGI
 INISVEGLHDVMTEDPETGTYKDCMLMSHLEPKVTEDEEPPTEQDKRKKMLALKDPVHTVSLQQFIYEK
 LKAQQEMLGEQGFQSLMETVDTEIVTQLQEFQGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

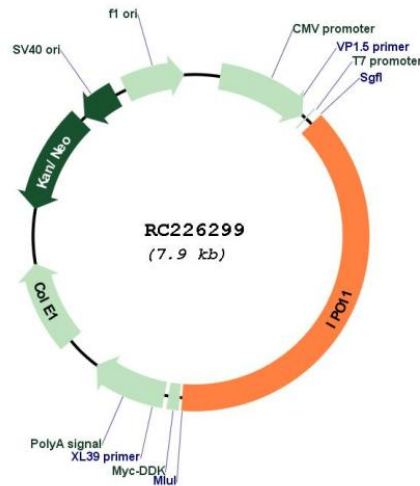
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134779

ORF Size: 3045 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001134779.1 , NP_001128251.1
RefSeq ORF:	3048 bp
Locus ID:	51194
UniProt ID:	Q9UI26
Cytogenetics:	5q12.1
MW:	116.8 kDa
Gene Summary:	Importins, including IPO11, are a members of the karyopherin/importin-beta family of transport receptors (see KPNB1; 602738) that mediate nucleocytoplasmic transport of protein and RNA cargoes (Plafker and Macara, 2000 [PubMed 11032817]).[supplied by OMIM, Sep 2008]